

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002889**Date Inspected:** 16-Jan-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Mr. Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** See Below**Bid Item:** 77, 78, 79**Lot No:** B #204**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE Coating inspector, Level II Certified, Baskar Govindarajan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA coating inspector observed the following:

An inspection was requested on the Tower Roll cage -3 nos, Roll cage splice -10 nos, Service platform Hand rail -15 pieces and Ladder -4 nos , vide inspection request no. T -1943 for Surface preparation inspection at Painting shop 2. This QA inspector observed, ABF Inspector Ms. Helen found inspecting these surfaces . This was found accepted by ABF Inspector after minor touch ups. Ambient conditions found measured by ZPMC QC Inspectors 13.2 deg. celcius above dew point and the relative humidity found to be 32.3 % which is acceptable as per contract documents. International protective coatings technical service representative Mr. Li Peng was found present during the course of this inspection process for Technical discussion.

An inspection was requested on the Tower, Lift 5 Grillage shaft -4 nos, Internal surfaces and Bottom Faying surface, vide inspection request no. T -1945 for DFT check after Interzinc 22 application. This QA inspector observed, ABF Inspector Mr. Sun and Mr. Wei found inspecting these surfaces . This was found not accepted by ABF Inspectors for Holidays and Runs. Interzinc 52 patch up works found where Lifting lugs have been removed which was more than 150 x 150 mm accepted by Contract documents for patch works. International protective coatings technical service representative Mr. Andy was found present during the course of this inspection process.

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Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

International Paint representative Mr. Li Peng suggested the use of Conventional spray instead of Airless spray for spraying Interfine 200 HS in Service platform Hand rails. This was communicated to ABF Inspectors and Found ZPMC using Conventional Spray for these Handrails.

Caltrans QA Inspector Mr. James Lumley informed this QA Inspector for the shifting of Tower Lift5 Shafts to Bay 11, before curing of Interzinc 22 and the removal of Lifting lugs and patch up works by Interzinc 52.

Otherthan Noted above, There was no notable conversation.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Thomas HO (15002048250), who represents the Office of Structural Materials for your project.

Inspected By: Baskar,Govindarajan

Quality Assurance Inspector

Reviewed By: Clifford,William

QA Reviewer